

Automated Traffic Data Collection Report

OCTOBER 2004



Washington State Department of Transportation

In cooperation with the
United States Department of Transportation
Federal Highway Administration

WASHINGTON STATE

DEPARTMENT OF TRANSPORTATION

AUTOMATED TRAFFIC DATA COLLECTION REPORT

STRATEGIC PLANNING AND PROGRAMMING

TRANSPORTATION DATA OFFICE

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OCTOBER 2004

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EXECUTIVE SUMMARY

This report is based upon data that was processed through **TRansportation Information and Planning Support System** (TRIPS). The data is collected monthly from several sources; Automated Traffic Recorders (ATRs), the Washington State Ferry System and the Oregon State Department of Transportation. For the site to be considered for this report, the site had to be collecting data in the same month for three consecutive years. Processed data is compared collectively to same month during the previous two year to show a three-year trend. The comparative analysis before the report is based on four-year data trends.

RURAL

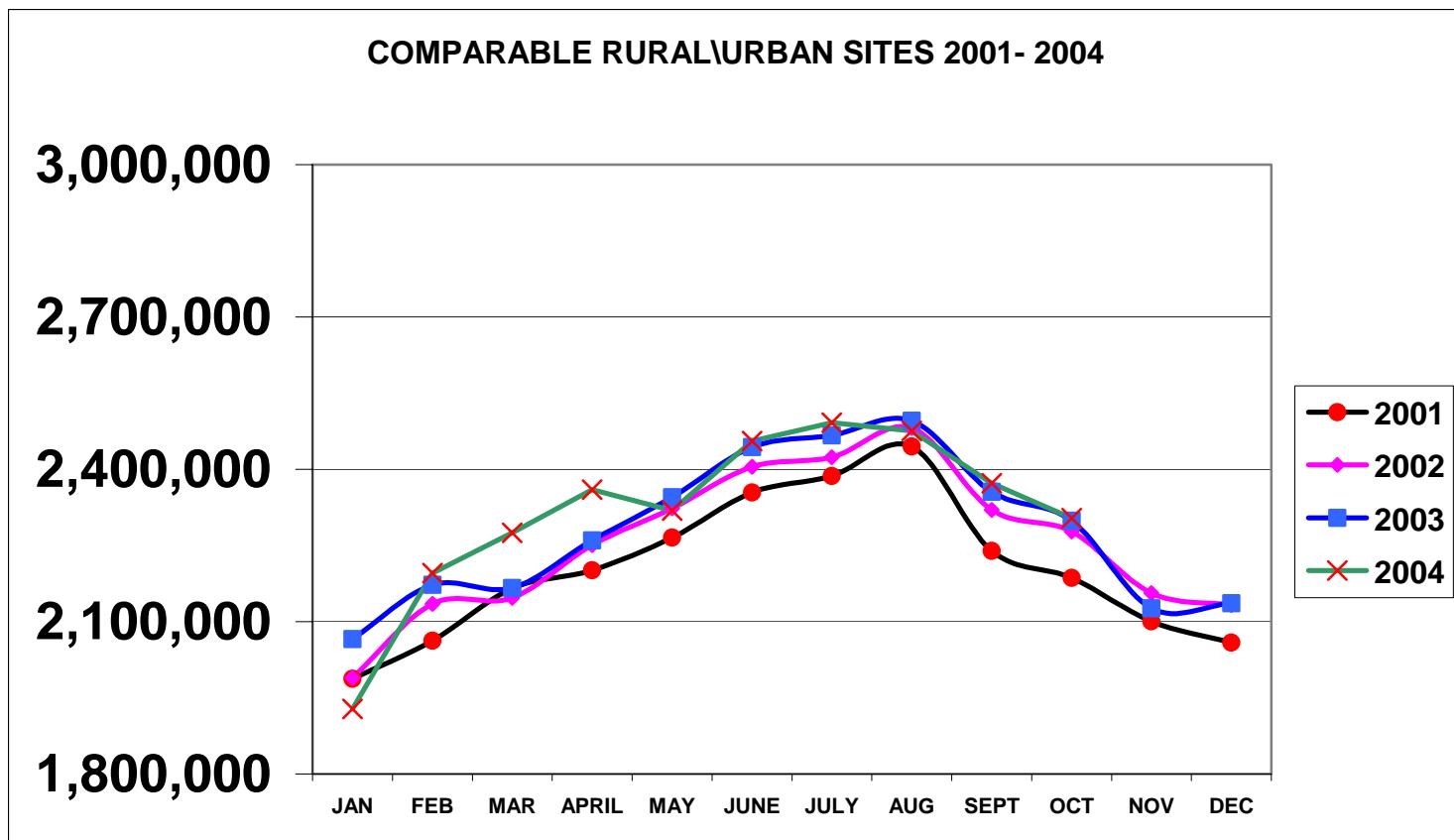
The vehicle volumes for current month (October) have increased over October 2003 by 0.92%, increased over October 2002 by 2.33% and have increased over October 2001 by 7.46%.

URBAN

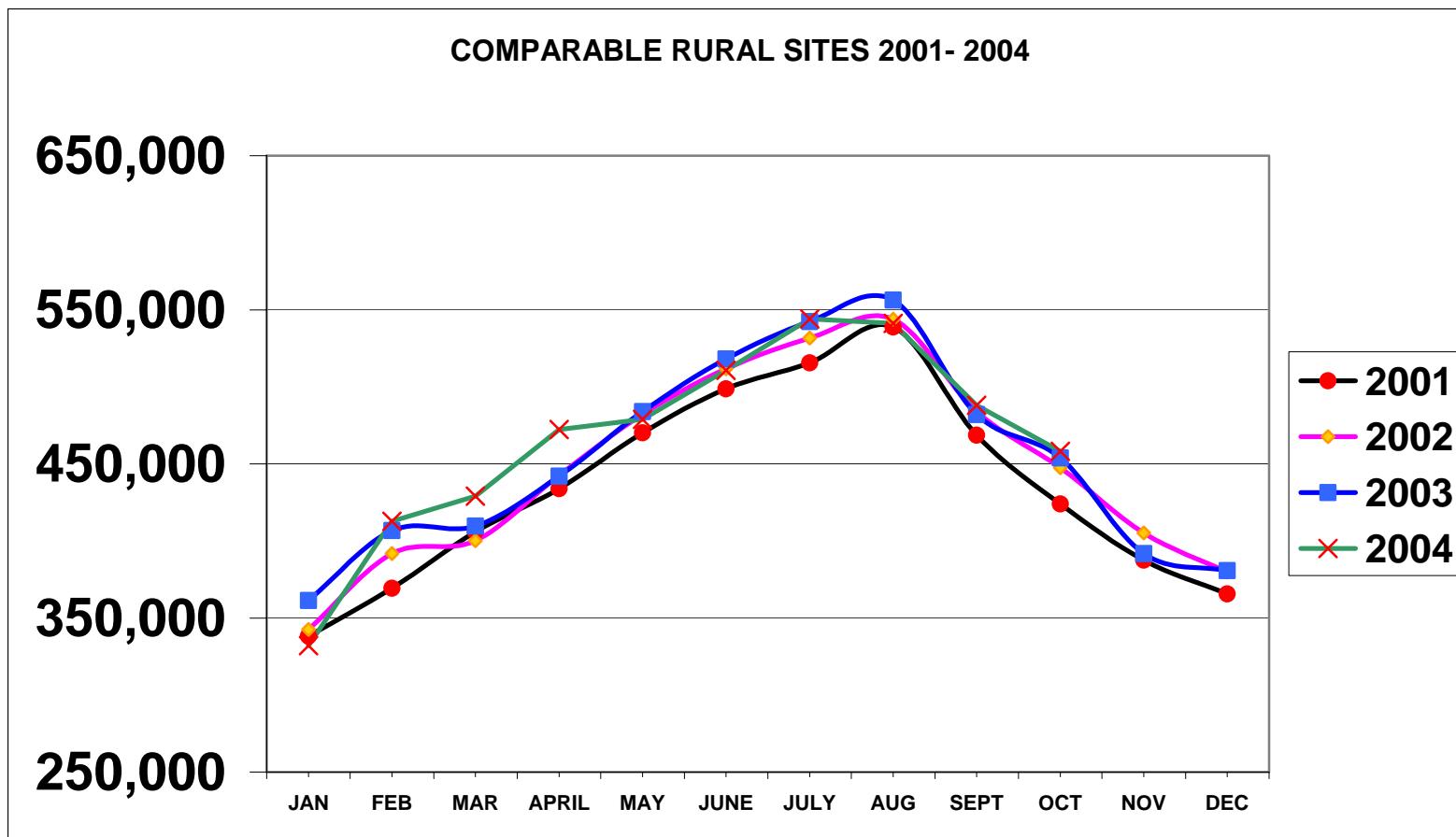
The vehicle volumes for current month (October) have increased over October 2003 by 0.03%, increased over October 2002 by 0.83% and have increased over October 2001 by 4.51%.

COMBINED

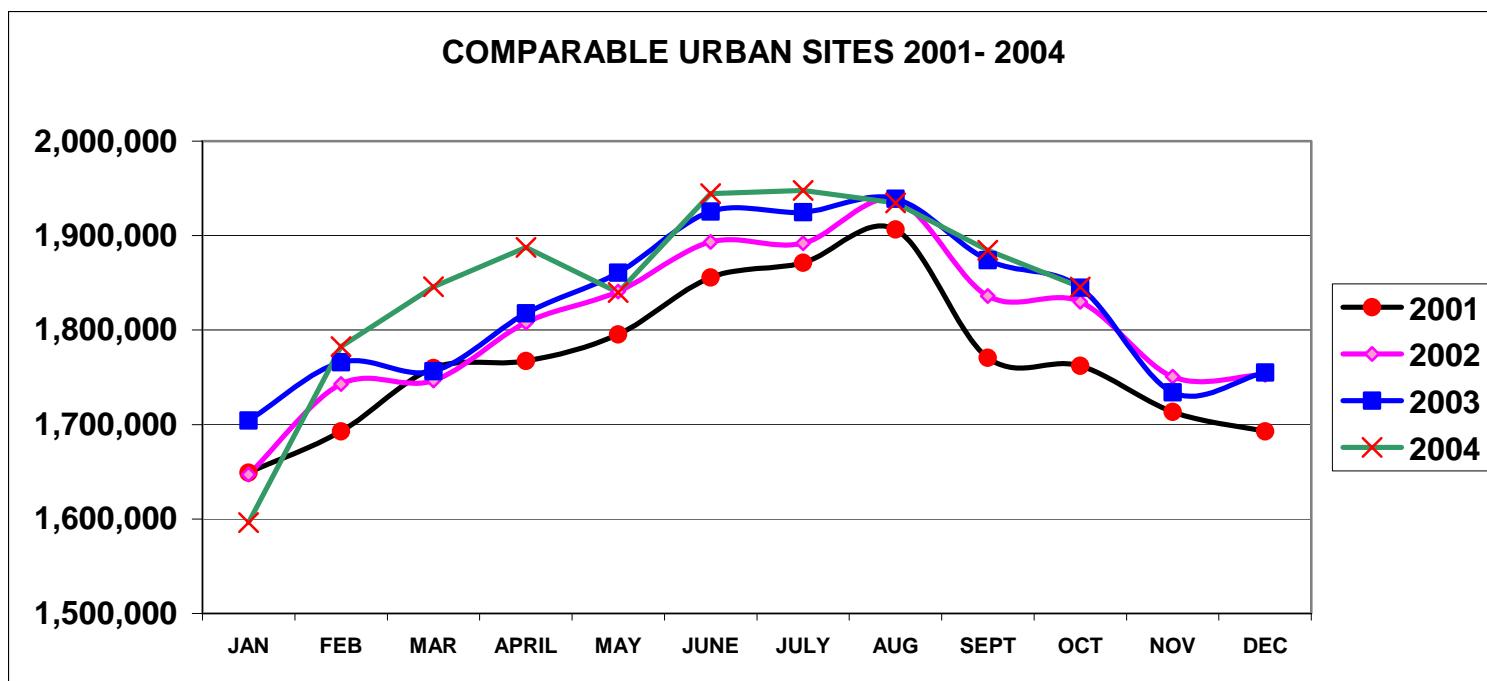
As a whole, according to the data collected and reported, the vehicle volumes for all comparable sites (Urban, Rural) have increased over October 2003 by 0.21%, increased over October 2002 by 1.13% and have increased over October 2001 by 5.09%.



This graph reflects a three-year trend of “Rural/Urban” sites from January to December for the years of 2001, 2002, and 2003. January - October 2004 is being added to show a four-year trend of data. The data was collected from 65 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.



This graph reflects a three-year trend of “Rural” sites from January to December for the years of 2001, 2002, and 2003. January - October 2004 is being added to show a four-year trend of data. The data was collected from 43 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.

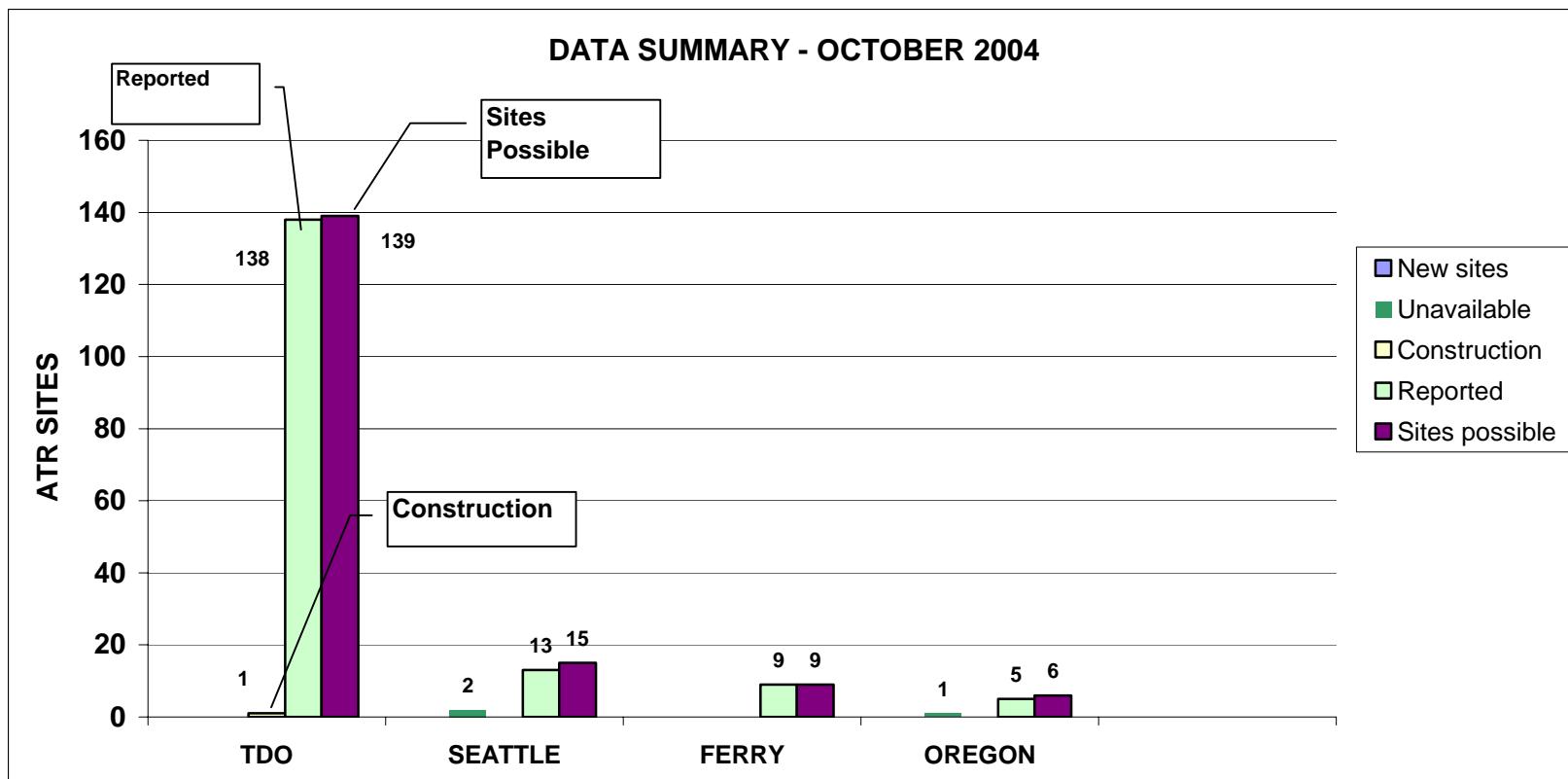


This graph reflects a three-year trend of “Urban” sites from January to December for the years of 2001, 2002, and 2003. January - October 2004 is being added to show a four-year trend of the data. The data was collected from 22 of the same sites each month showing a combined Average Daily Traffic trend for four consecutive years.

SITE VARIANCE OR ANOMALY SUMMARY FOR OCTOBER

This list is a compilation of automated traffic recorder (ATR) sites with unusual and or abnormal traffic patterns for the month of October 2004 Included within this list are a site description for each automated traffic recorder site, a short statement of the reason for a large variance or anomaly, which occurred, and a conclusion.

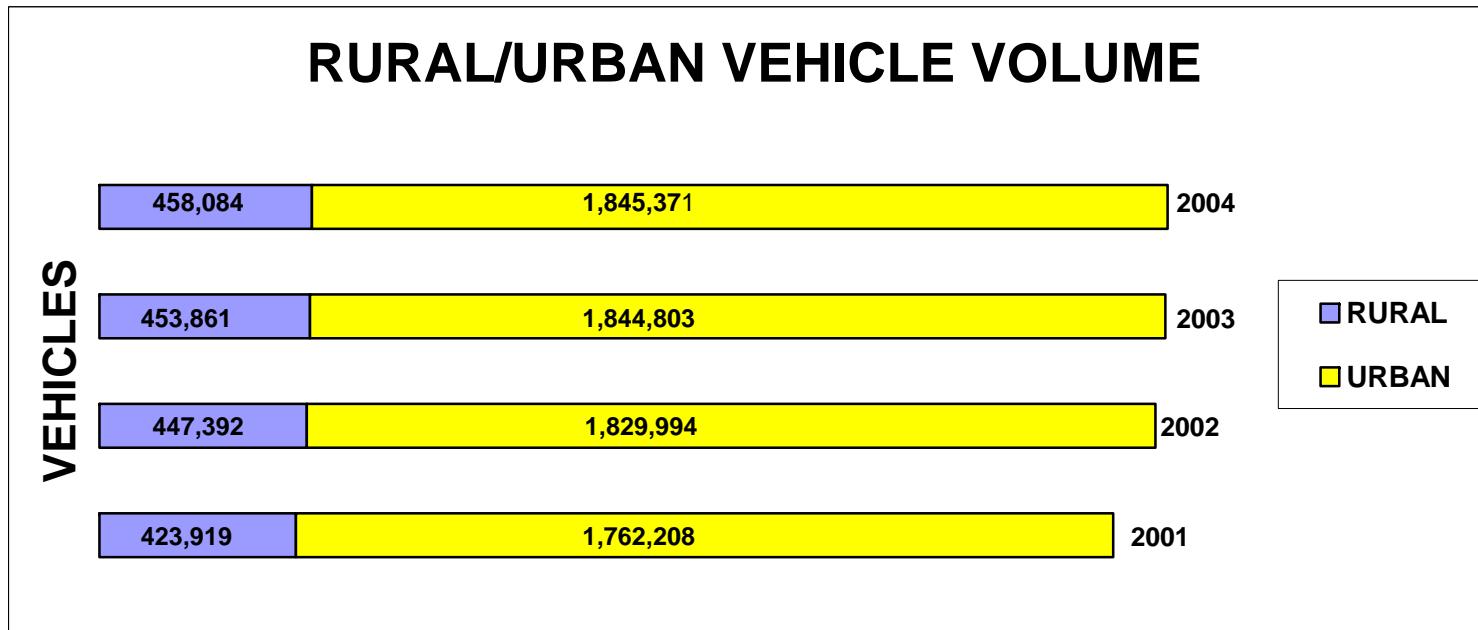
- P21 – SR 9 Arlington
 - Increase in traffic due to construction projects on SR 5 and SR 530 causing an overflow of traffic onto SR 9.
- R040 - SR 123 N/O SR 12 - Ohanapecosh
 - Low volume site. No apparent reason.
- R037 – SR 20 Winthrop
 - In 2003 SR 20 North Cascades highway closed for the season in October. This year it remained opened Until December 8, 2004.
- R054 – SR 101 Humptulips
 - Increase in traffic due hunting and clamming season. There is logging operations going on in the area.
- R073 – SR 101 Sappho
 - Increase in traffic due to the opening of hunting and clamming season. There is logging operations going on in the area.
- S840 – SR 504 Kidd Valley
 - Increase in traffic due to the seismic activity of Mt St. Helens.



The sites that were unavailable due to either equipment failure, trouble extracting data from field, construction and/or data that were not reported are 1 TDO (Transportation Data Office) site, 2 Seattle sites, and 1 Oregon site.

OCTOBER VOLUME COMPARISON FOR 2001-2004

The volume of vehicles collected and reported for October is:



AUTOMATED TRAFFIC DATA COLLECTION REPORT DETAIL

The monthly Automated Traffic Data Collection Report is designed to provide reliable data to traffic engineers, state planners, traffic operations, other government agencies, regional administrators, the Washington State Patrol, private businesses and the citizens of Washington State. This report is administered and produced by the Transportation Data Office of the Washington State Department of Transportation.

This report is comprised of data collected from automated traffic recorders monitored by the ADC section, NW Regional Traffic Office, Washington State ferries division, and Oregon State when available. The data has been validated and verified for this report; it has been processed through the **TRansportation Information and Planning Support System (TRIPS)**.

The information within this report is:

- Average Daily Traffic (ADT)
- ADT compared to previous months for all comparable sites
- ADT compared to same month previous year
- Same month Percent Increase/Decrease
- Maximum Traffic/Maximum Day (by date, day and hour)
- Last possible month's percent of difference
- Missing data in month reported
- Last year same month

A legend is supplied for each page of listed site data.

The codes are:

- “U” == unavailable
- “C” == construction
- “E” == estimated
- “N” == new site to system
- “P” == pass closed
- “I” == partial estimation
- “Q” == reported quarterly
- “R” == site removed

For questions about this report or further site information, please contact the ADC section supervisor at 360-570-2392 or E mail this section at tdoadc@wsdot.wa.gov

DOT-RNB612-B

STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION
 TRIPS SYSTEM
 AUTOMATED DATA COLLECTION REPORT

DATE 01/03/05
 TIME 10:45:56
 PAGE 5

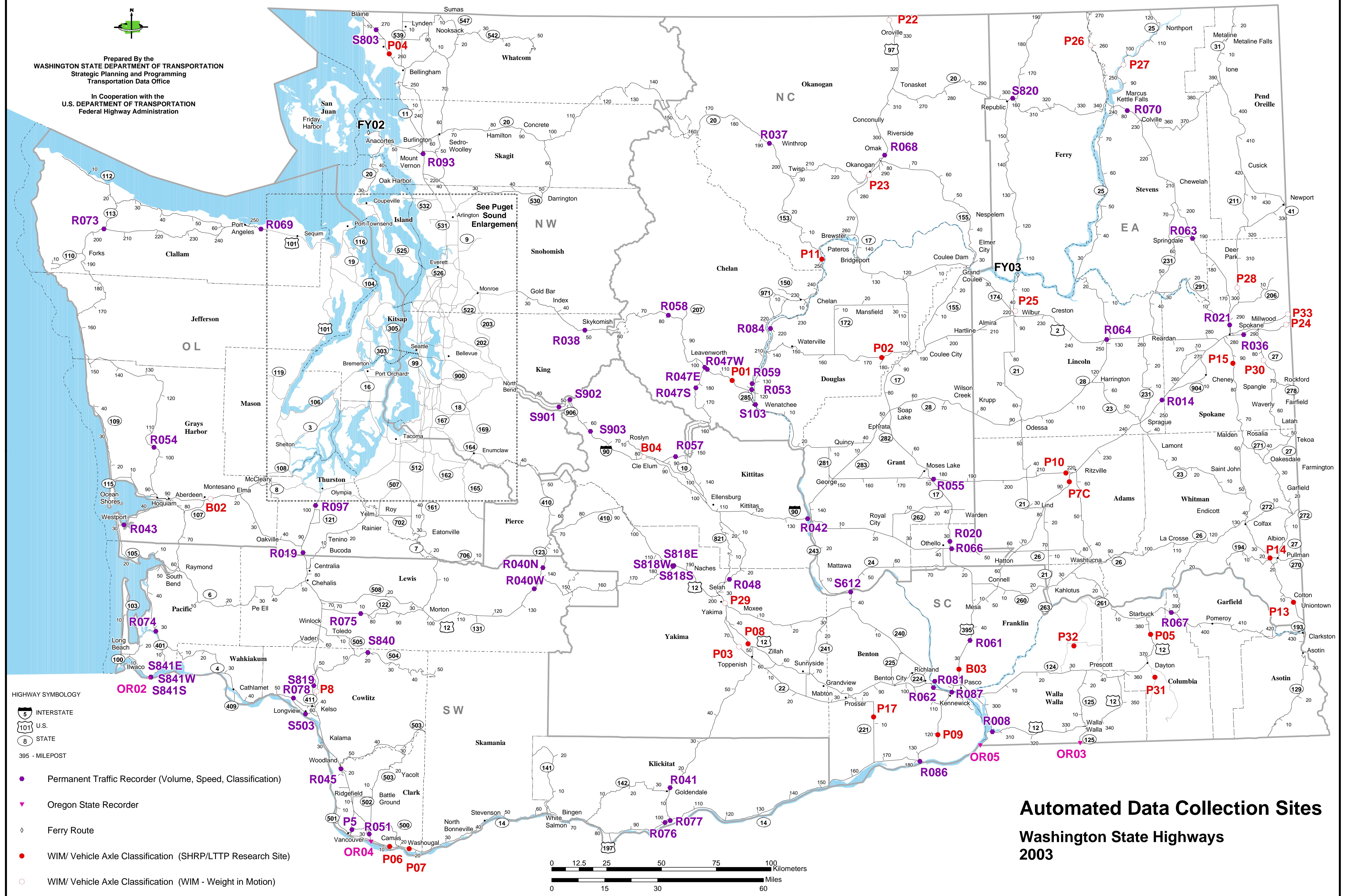
FOR THE MONTH OF OCTOBER 2004

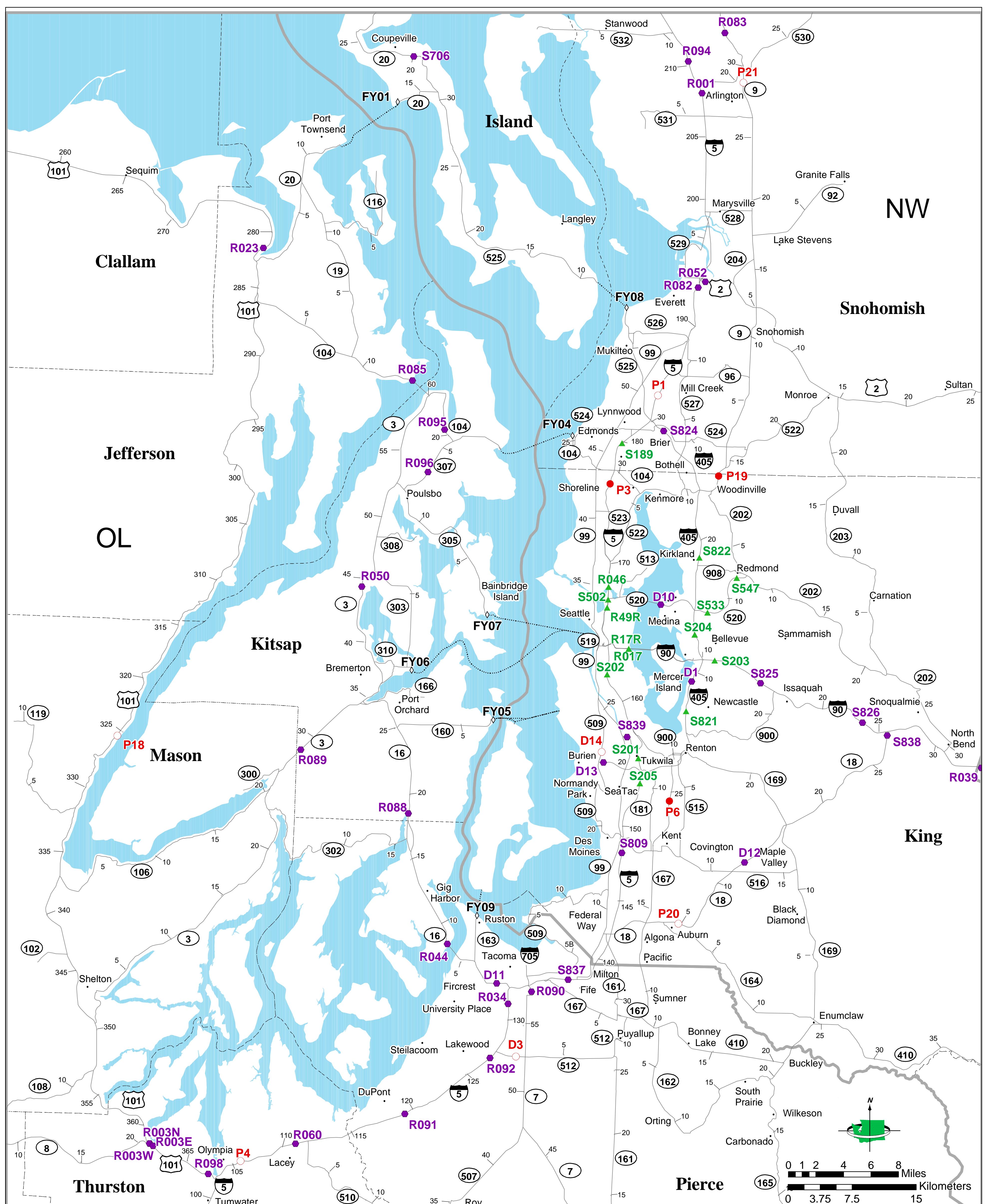
SR#	LEG	SRMP	B	NUM	LOCATION	RURAL URBAN	AVERAGE DAY		RELATION TO 2003		<<<<<< MAXIMUM TRAFFIC >>>>>	
							2004	' 2003	THIS MONTH %	LAST 10 MONTHS %	VEHICLES DAY	DATE HOUR
SR 401	0.01	S841	ASTORIA/MEGLER	R	2,367	2,396	- 5.4	+ 7.9	268	FRI 8 2- 3P	2,890	FRI 15
SR 410 W	116.26	S818	CHINOOK PASS	R	2,567	2,612	- 8.7	- 4.6	327	SUN 3 2- 3P	3,537	FRI 29
SR 411	7.97	S819	LEXINGTON	R	4,312	E> 4,411	- 2.2	- 2.2	516	THU 14 4- 5P	5,154	FRI 1
SR 504	19.43	S840	KIDD VALLEY	R	1,776	726	+144.0	+ 5.1	650	SUN 3 3- 4P	5,379	SUN 3
SR 730	0.00	OROS	OREGON BORDER	R/U	0> 2,524		-	- 2.6				
SR 970	6.85	R057	TEANAWAY	R	4,600	4,573	+ 0.6	- 0.2	743	SUN 17 3- 4P	7,438	FRI 15



Prepared By the
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Strategic Planning and Programming
Transportation Data Office

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2003 Puget Sound Enlargement

Automated Data Collection Sites

- Permanent Traffic Recorder (Volume, Speed, Classification)
- ◊ Ferry Route
- ▲ NW Region Volume Recorder
- WIM/ Vehicle Axle Classification (SHRP/LTTP Research Site)
- WIM/ Vehicle Axle Classification (WIM - Weight in Motion)

GLOSSARY

URBAN.....Of or relating to city traffic

RURAL.....Of or relating to country traffic

COMBINED.....Total of urban and rural traffic

ATR.....Automated Traffic Recorder

ADC.....Automated Data Collection

ADT.....Average Daily Traffic

TRIPS.....Transportation Information and Planning Support System

SRMP.....State Route Mile Post

RECR NUM.....Automated Traffic Recorder Number

For answers to any questions about this report and or if you wish to have further a detailed report for one of the sites that the Automated Data Collection office (ADC) is currently monitoring, please call Tony Niemi at (360) 570-2392 or Pamela Pope at (360) 570-2396.

To obtain classification, length and or speed information please contact the ADC section of the Transportation Data Office at tdoadc@wsdot.wa.gov